

SN. 10/601,685

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IN THE CLAIMS

The status of the claims as presently amended is as follows:

1. (Currently Amended) A band saw comprising:

a continuous saw body having an inner side and an outer side, said saw body being adapted to be suspended between a pair of spaced pulleys, with said inner side facing the pulleys; and

multiple saw teeth provided entirely on one of ~~laterally opposite~~ edge portion[[s]] of said saw body,

wherein said one of ~~laterally opposite~~ edge portion[[s]] of said saw body ~~and said saw teeth are~~ angled toward an inner side relative to a major portion of said saw body by creating a bend near a tooth base line of said saw body so that the entire saw teeth are angled toward said inner side.

2. (Original) A band saw according to claim 1, wherein a projection is formed on a tip of each saw tooth, and a width of each projection is 1.5-3.0 times as large as a thickness of said band saw.

3. (Original) A band saw according to claim 1, wherein a tip of each saw tooth protrudes by 0.02 mm in a direction of a thickness of said band saw from a surface of said saw body.

4. (Withdrawn) A band saw processing apparatus for obtaining a band saw including a continuous saw body having an inner side and an outer side, said saw body being adapted to be suspended between a pair of spaced pulleys, with said inner side facing the pulleys; and multiple saw teeth provided entirely on one of ~~laterally opposite~~ edge portion[[s]] of said saw body, wherein said one of ~~laterally opposite~~ edge portion[[s]] of said saw body ~~and said saw teeth are~~ angled toward an inner side relative to a major portion of said saw body by creating a bend near a tooth base line of said saw body so that the entire saw teeth are angled toward said inner side, said apparatus comprising:

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a first and a second roller that grasp said band saw from ~~opposite~~said inner and outer sides of a thickness thereof, said first roller exerting pressure on said band saw from one of said ~~opposite~~inner and outer sides, and said second roller exerting pressure on the band saw from ~~an~~the other of ~~opposite~~said inner and outer sides.

wherein edges of said first and second rollers are positioned to be offset from each other in an axial direction thereof, and said tooth base line area of said saw body of said band saw is grasped between said edges of said first and second rollers so that said ~~saw teeth and said one~~ edge portion of said saw body of said band saw ~~are~~is angled toward said inner side ~~of said saw body~~.

5. (Withdrawn) A band saw processing apparatus according to claim 4, wherein outer circumferential surfaces of said first and second rollers have opposite inclined configurations in the axial direction thereof, and wherein said saw tooth base line area of said base saw body is grasped by and rolled between large-diameter edges of said first roller and said second rollers so ~~that to~~angle said ~~saw teeth and said one~~ edge portion of said band saw body ~~are caused to be~~angled toward the inner side of said saw body.

6. (Withdrawn) A band saw processing apparatus according to claim 4, further comprising a support roller ~~that is supported coaxially with the second roller, and is positioned to face the first roller via said~~band saw for supporting the band saw.

7. (Withdrawn) A method of manufacturing a band saw including a continuous saw body having an inner side and an outer side, said saw body being adapted to be suspended between a pair of spaced pulleys, with said inner side facing the pulleys; and multiple saw teeth provided entirely on one of ~~laterally opposite~~ edge portion[[s]] of said saw body, wherein said one of ~~laterally opposite~~ edge portion[[s]] of said saw body ~~and said saw teeth are~~is angled toward an inner side relative to a major portion of said saw body by creating a bend near a tooth base line of said saw body so that the entire saw teeth are angled toward said inner side, said method comprising

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the steps of:

forming multiple saw teeth on a band saw plate having a long flat plate configuration;
welding two ~~longitudinal-opposing~~ ends of said band saw plate together to form an
~~annular~~ endless band saw; and
bending said saw tooth base line area of said saw body toward said inner side of said saw
body; and then shaping said saw teeth.

8. *(Withdrawn)* A band saw teeth setting method for a band saw having a continuous saw body
having an inner side and an outer side, said saw body being adapted to be suspended between a
pair of spaced pulleys, with said inner side facing the pulleys; and multiple saw teeth provided
entirely on one of ~~laterally-opposite~~ edge portion[[s]] of said saw body, wherein said one edge
portion of said saw body is angled relative to a major portion of said saw body near a tooth base
line of said saw body so that the entire saw teeth are angled toward said inner side, said method
comprising the steps of:

bending said one of ~~laterally-opposite~~ edge portion[[s]] of said saw body and said saw
~~tooth base line area~~ toward said inner side of the saw body; ~~when and~~
setting teeth for said saw band.

9. *(New)* A method according to claim 8, wherein said one edge portion of said saw body is bent
toward said inner side when setting the saw teeth to said saw band.

10. *(New)* A band saw according to claim 1, wherein said one edge portion of said saw body is
angled to strengthen and enhance durability of the saw teeth.

11. *(New)* A band saw processing apparatus according to claim 4, wherein said one edge portion
of said saw body is angled to strengthen and enhance durability of the saw teeth.

12. *(New)* A method according to according to claim 7, wherein said one edge portion of said

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saw body is angled to strengthen and enhance durability of the saw teeth.

13. (New) A method according to according to claim 8, wherein said one edge portion of said saw body is angled to strengthen and enhance durability of the saw teeth.

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